

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P856396

Luminaire Tested: **FFX-CLB-30-730-U-VM9**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856396  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-30-730-U-VM9  
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK  
Light Source: (6) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

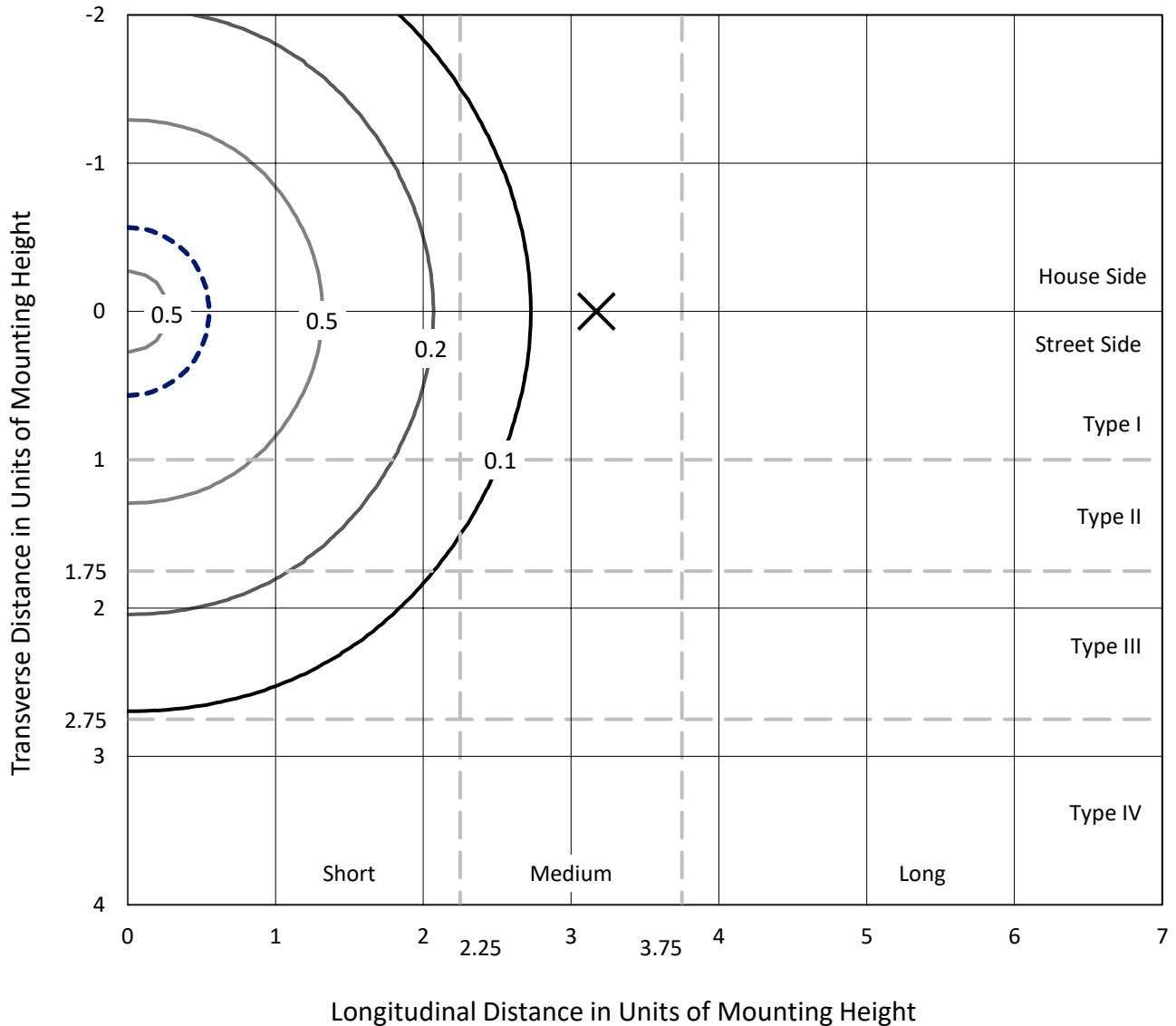
Lumens per Lamp: N/A  
Luminaire Lumens: 4877.9 lumens  
Efficiency: N/A  
Efficacy: 159.9 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')  
IES Classification: Type V - Short  
BUG Rating: B2 - U5 - G3

Input Watts (W): 30.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 10.6%%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

REPORT NUMBER: P856396  
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### Iso-Footcandle Lines of Horizontal Illumination

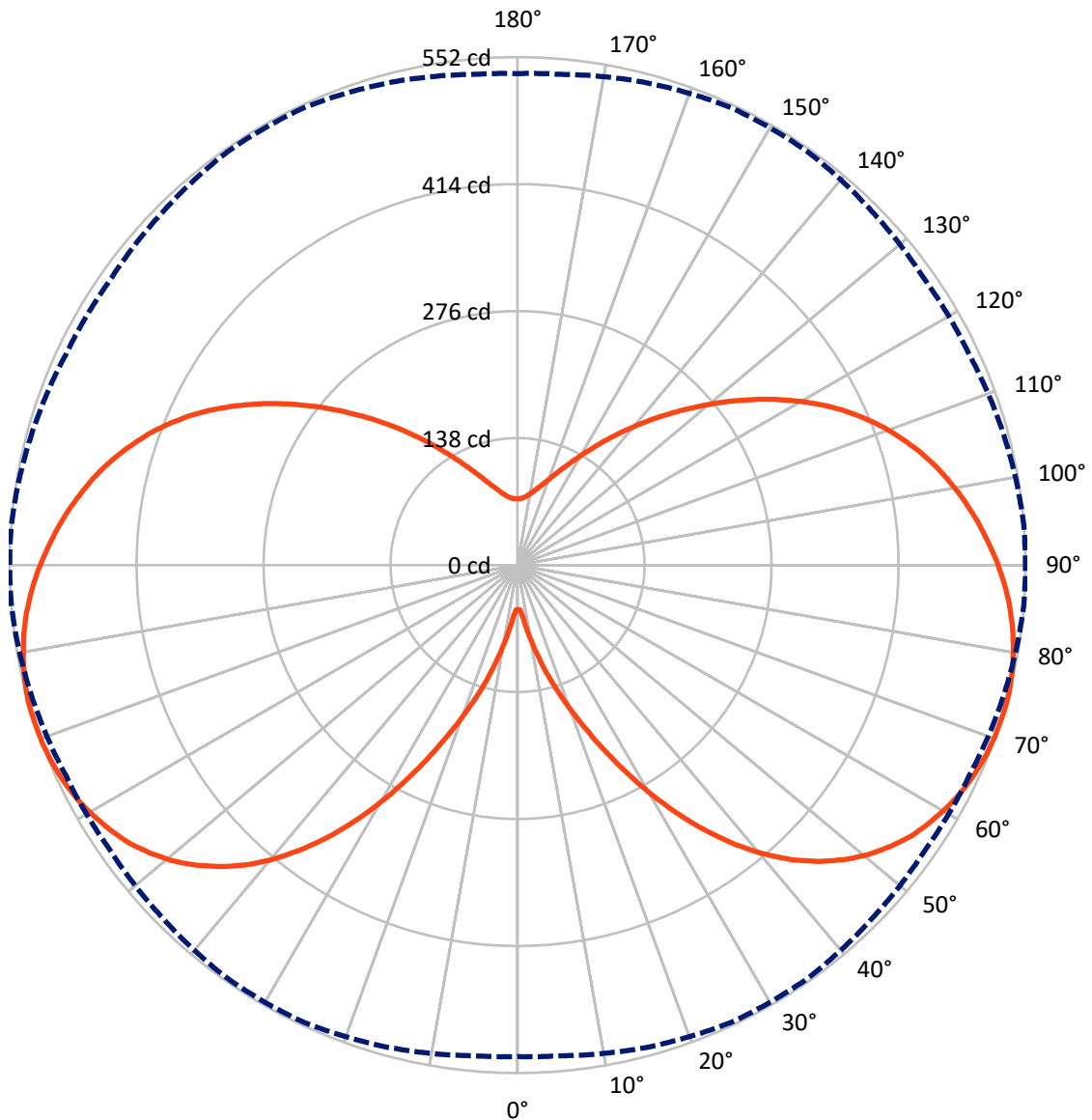
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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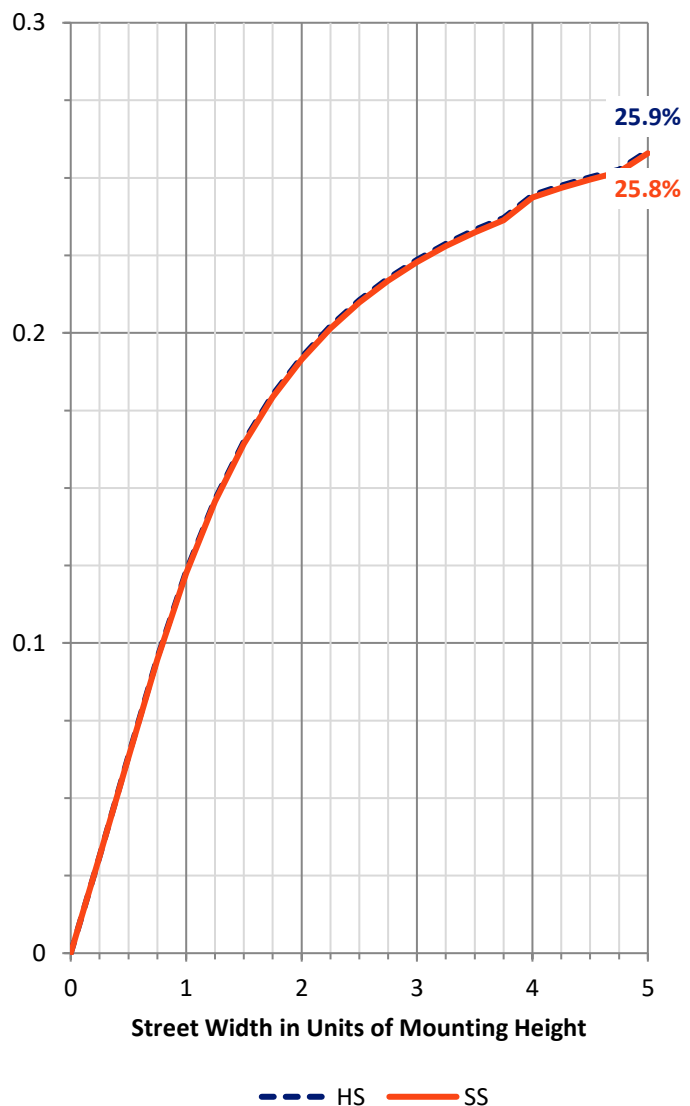
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1428.7	1010.2	2438.9
	% Fixture	29.3	20.7	50.0
<b>Street Side</b>	Lumens	1428.7	1010.2	2438.9
	% Fixture	29.3	20.7	50.0
<b>Total</b>	Lumens	2857.4	2020.5	4877.9
	% Fixture	58.6	41.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.3	0.1
10°-20°	36.6	0.8
20°-30°	105.7	2.2
30°-40°	219.9	4.5
40°-50°	349.0	7.2
50°-60°	458.2	9.4
60°-70°	534.2	11.0
70°-80°	573.8	11.8
80°-90°	573.6	11.8
90°-100°	536.9	11.0
100°-110°	471.1	9.7
110°-120°	378.8	7.8
120°-130°	272.1	5.6
130°-140°	174.9	3.6
140°-150°	101.5	2.1
150°-160°	53.3	1.1
160°-170°	24.8	0.5
170°-180°	7.1	0.1
0°-90°	2857.4	58.6
0°-180°	4877.9	100.0

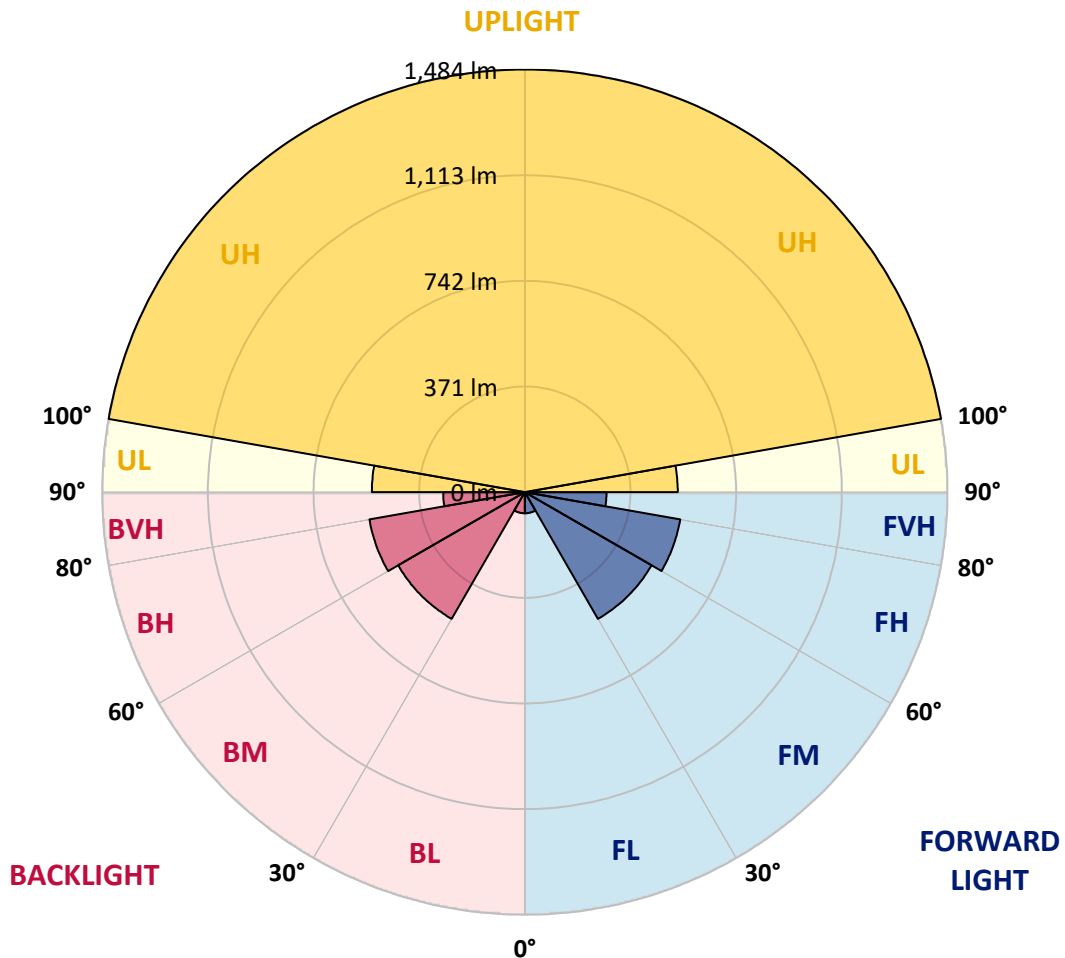


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	74.3	1.5			
FM (30°-60°)	513.6	10.5			
FH (60°-80°)	554.0	11.4			G0/660
FVH (80°-90°)	286.8	5.9			G3/500
BL (0°-30°)	74.3	1.5	B0/110		
BM (30°-60°)	513.6	10.5	B1/1000		
BH (60°-80°)	554.0	11.4	B2/1000		G0/660
BVH (80°-90°)	286.8	5.9			G3/500
UL (90°-100°)	536.9	11.0		U4/1000	
UH (100°-180°)	1483.6	30.4		U5	

**BUG Rating: B2-U5-G3**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
2.5°	50.2	50.2	49.9	49.9	49.6	49.3	49.3	49.0	48.7	48.7	48.7
5°	55.9	55.6	55.6	55.6	55.6	55.3	55.6	55.3	55.3	55.3	55.6
7.5°	68.1	67.8	67.8	67.8	68.1	68.1	68.4	68.8	69.1	69.1	69.1
10°	84.1	83.8	83.8	83.5	84.1	84.1	84.5	83.8	84.8	84.8	85.1
12.5°	103.0	102.7	102.7	102.4	103.0	102.7	103.3	102.7	104.2	103.6	103.6
15°	123.4	123.4	123.1	122.8	123.7	123.7	124.3	124.3	125.3	124.7	125.0
17.5°	145.1	144.7	144.7	144.4	145.4	145.4	145.4	146.0	147.3	146.0	146.9
20°	168.3	168.0	168.0	167.7	168.6	168.6	169.2	169.6	170.8	169.9	170.5
22.5°	193.4	193.1	193.1	193.1	194.4	194.7	194.7	195.6	197.2	195.6	196.9
25°	221.4	221.0	221.0	222.0	222.9	223.2	223.9	225.1	226.7	225.1	226.7
27.5°	251.2	250.9	251.5	252.8	253.7	254.3	255.3	255.6	257.8	256.2	258.4
30°	282.0	281.6	282.3	283.8	285.1	287.0	287.0	287.9	291.1	288.9	291.1
32.5°	312.4	312.1	313.0	314.9	316.8	318.7	319.0	320.3	323.4	321.8	324.0
35°	342.6	342.2	343.5	346.0	347.9	349.8	350.4	351.7	355.1	353.5	355.7
37.5°	371.1	371.1	372.4	375.2	377.4	379.9	379.6	381.2	384.3	383.4	385.6
40°	397.8	397.8	399.4	402.8	405.4	406.9	406.6	408.2	411.6	411.3	413.2
42.5°	422.0	422.0	424.2	427.6	430.2	431.1	431.1	432.7	436.4	436.1	438.0
45°	442.4	443.3	445.9	449.6	451.8	452.8	452.1	453.7	457.8	457.8	459.4
47.5°	461.2	462.5	465.0	468.8	470.3	471.3	470.7	471.9	476.0	476.6	478.2
50°	477.6	478.5	481.6	485.7	487.3	487.3	486.4	487.6	492.0	493.3	494.5
52.5°	491.7	492.6	496.1	500.5	501.4	501.1	499.9	501.1	505.5	506.8	507.7
55°	503.0	503.9	508.0	512.4	513.4	512.4	510.5	512.1	516.2	518.1	519.6
57.5°	512.1	513.0	517.8	522.2	523.1	521.2	519.0	520.6	525.3	527.5	528.1
60°	519.6	520.6	525.6	530.3	530.9	528.7	526.2	527.8	532.5	535.0	535.7
62.5°	525.6	526.5	531.9	537.2	537.5	534.7	531.9	533.5	538.2	541.0	541.9
65°	529.7	530.6	536.6	541.9	542.6	539.1	536.3	537.9	542.2	545.7	546.3
67.5°	532.5	533.5	540.0	545.7	546.0	542.2	539.1	540.4	545.4	548.8	549.5
70°	533.8	534.7	541.6	547.6	547.9	543.8	540.0	541.6	546.6	550.7	551.4
72.5°	534.1	535.3	542.6	548.5	548.8	544.1	540.4	541.6	547.0	551.7	552.0
75°	532.8	534.4	541.9	548.2	548.2	542.9	538.8	540.0	546.0	551.0	552.0
77.5°	531.3	532.2	540.0	546.3	546.0	540.4	535.7	537.5	543.5	549.2	549.8
80°	527.8	529.1	536.9	542.9	542.2	536.0	531.6	533.5	539.7	545.7	546.3
82.5°	523.4	524.7	532.5	537.9	537.2	530.6	526.2	528.4	535.0	541.3	541.9
85°	518.1	519.3	526.9	531.9	530.9	524.3	520.0	521.8	529.1	535.3	536.0
87.5°	511.2	512.4	520.0	524.3	523.4	516.5	512.7	515.2	521.8	528.4	528.7
90°	503.3	504.9	511.5	515.6	514.3	508.0	504.6	507.1	513.7	520.0	520.6
92.5°	495.5	496.1	502.4	505.8	504.9	499.2	496.1	498.9	504.9	511.2	511.2
95°	486.0	487.0	492.6	495.5	494.5	489.8	487.0	490.1	495.5	501.4	501.7
97.5°	476.0	476.9	481.6	484.5	483.5	479.5	477.6	480.7	485.4	491.1	491.4
100°	465.3	465.9	470.0	472.5	471.6	468.5	467.2	470.3	474.7	480.1	480.1
102.5°	453.4	454.0	457.2	458.7	458.4	455.9	455.9	459.4	462.8	467.8	468.5
105°	440.8	441.5	443.7	444.6	444.3	443.3	444.0	447.4	450.2	454.6	455.3
107.5°	426.7	427.3	428.6	428.9	428.9	428.9	431.1	434.2	437.4	440.5	440.8
110°	411.6	411.9	412.9	412.6	412.6	413.2	416.3	419.8	422.3	425.4	425.8



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 CATALOG NUMBER: FFX-CLB-30-730-U-VM9

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	395.3	395.6	396.2	395.0	395.3	396.6	400.6	404.4	406.0	409.1	409.1
115°	378.0	377.7	378.3	376.8	376.5	378.7	383.1	387.5	388.7	390.9	391.2
117.5°	359.2	359.5	359.2	357.3	357.0	360.1	364.2	368.3	369.9	372.4	371.8
120°	339.7	339.4	339.7	337.5	337.2	340.7	344.8	348.8	349.8	352.0	351.3
122.5°	319.9	319.6	319.3	317.1	317.1	319.9	325.0	329.1	328.4	330.9	330.6
125°	299.5	299.5	298.9	296.7	296.7	300.2	304.2	308.0	307.4	310.2	309.3
127.5°	279.4	279.4	278.8	276.9	276.9	280.1	283.8	287.6	286.7	289.2	288.2
130°	259.7	259.7	259.0	257.2	257.2	259.7	263.7	266.9	265.6	267.8	267.5
132.5°	240.8	240.5	240.2	238.3	238.6	241.1	244.3	247.1	245.8	248.4	247.4
135°	222.6	222.3	222.0	220.1	220.4	222.9	225.8	228.0	227.0	228.6	228.3
137.5°	205.3	205.0	204.7	203.1	203.5	205.3	208.2	210.1	208.8	211.0	210.1
140°	189.0	188.7	188.1	187.1	187.4	189.3	190.9	193.1	191.8	193.7	192.8
142.5°	173.3	173.3	172.7	171.7	172.1	173.9	175.2	176.8	175.5	177.1	176.5
145°	158.9	158.9	158.2	157.6	157.6	159.2	160.1	161.7	160.4	162.0	161.4
147.5°	145.7	145.7	145.1	144.4	144.4	146.0	146.6	147.9	146.6	147.9	147.3
150°	133.4	133.4	133.1	132.5	132.8	133.4	134.1	135.0	134.1	135.0	134.7
152.5°	122.8	122.8	122.5	122.1	121.8	122.8	123.1	124.0	123.1	124.0	123.4
155°	113.3	113.0	113.0	112.4	112.4	113.0	113.3	114.0	113.0	114.0	113.7
157.5°	104.9	104.9	104.6	104.2	104.2	104.6	104.9	105.2	104.6	105.5	104.9
160°	97.6	97.6	97.3	97.0	97.0	97.3	97.3	97.6	97.0	97.6	97.3
162.5°	91.4	91.4	91.1	91.1	90.7	91.1	91.4	91.4	91.1	91.4	91.1
165°	86.3	86.3	86.0	85.7	85.7	86.0	86.0	86.3	85.7	86.0	86.0
167.5°	81.6	81.6	81.6	81.3	81.0	81.3	81.3	81.3	81.0	81.3	81.3
170°	78.2	78.2	78.2	77.9	77.6	77.9	77.9	77.9	77.6	77.9	77.9
172.5°	75.4	75.4	75.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
175°	73.5	73.5	73.5	73.5	73.2	73.5	73.5	73.5	73.5	73.5	73.2
177.5°	72.5	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
180°	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-4

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5.

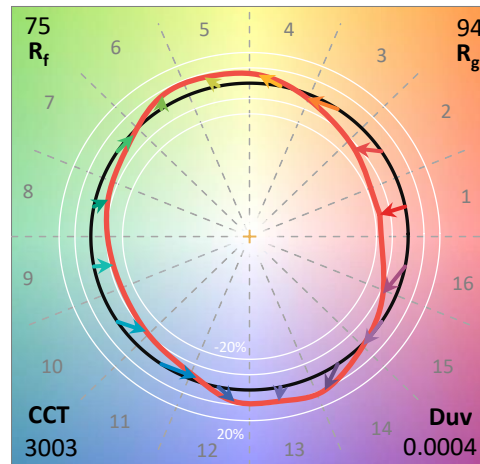
**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2406-133-4  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry: 4π  
 Issue Date: 07/12/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: Streetworks  
 Catalog Number: **FFX-CLB-100-730-U-FR-T5**  
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

**Spectral Parameters**

CCT (K): 3003  
 CIE u': 0.2503  
 CIE v': 0.5219  
 Duv: 0.0004  
 CIE x: 0.4373  
 CIE y: 0.4053  
 CIE z: 0.1573  
 Peak Wavelength (nm): 595  
 Dominant Wavelength (nm): 582  
 Purity: 52.93545  
 Rf: 75.2  
 Rg: 93.8

CRI (Ra): 71.9  
 R1: 68.2  
 R2: 82.2  
 R3: 93.9  
 R4: 67.6  
 R5: 67.2  
 R6: 75.3  
 R7: 77.6  
 R8: 43.1  
 R9: -33.7  
 R10: 59.0  
 R11: 62.4  
 R12: 48.5  
 R13: 70.8  
 R14: 96.6  
 R15: 60.0



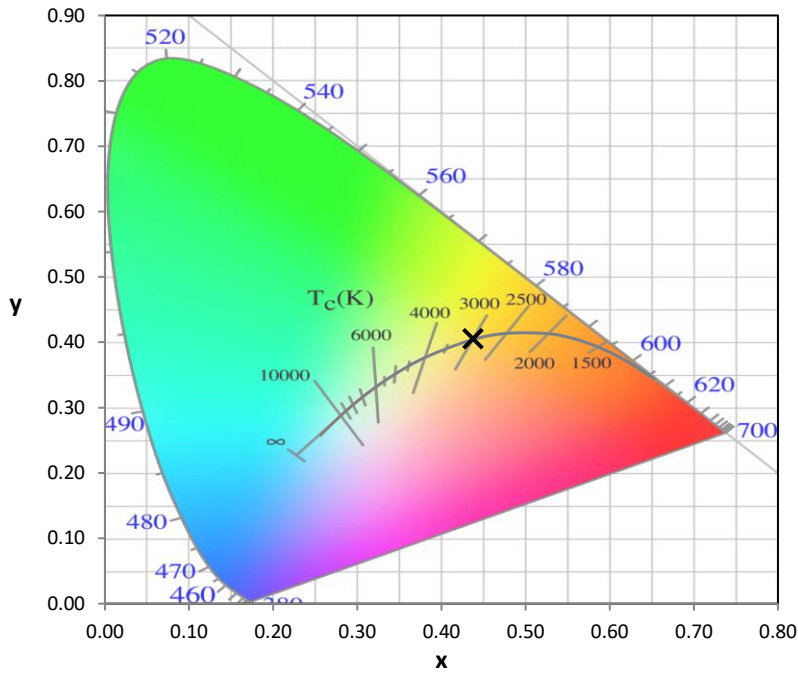
**Test Conditions**  
 Stabilization Time: 0.794393M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.7

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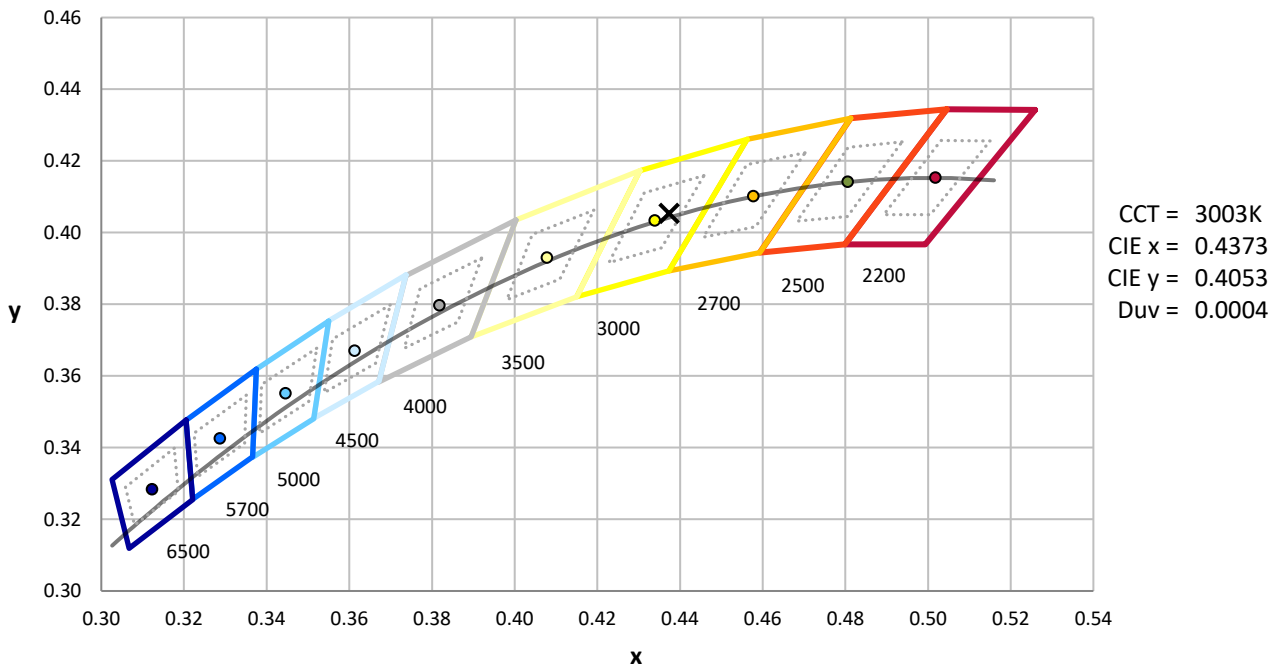
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

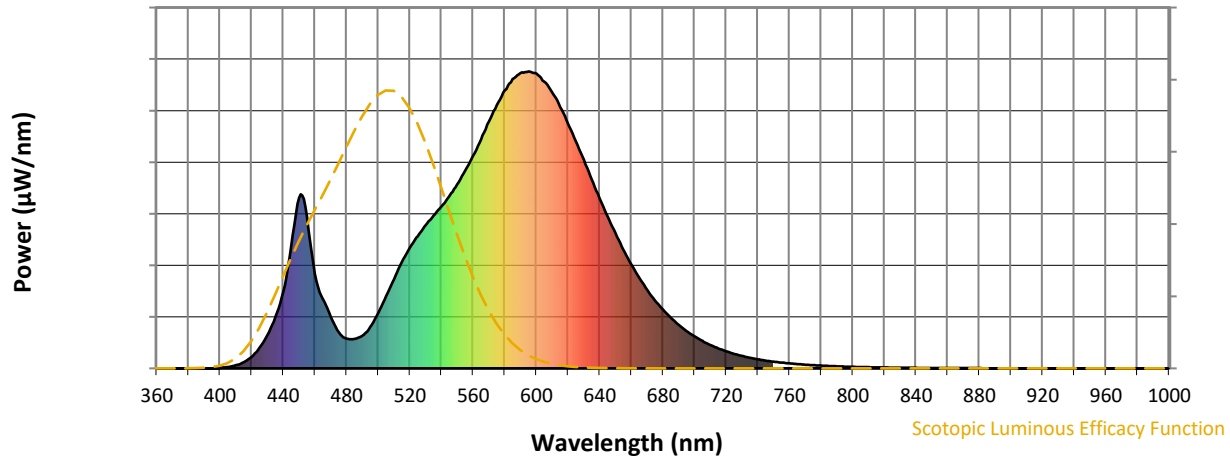


**Photopic Lumens: NR**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2406-133-4

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.21

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.22

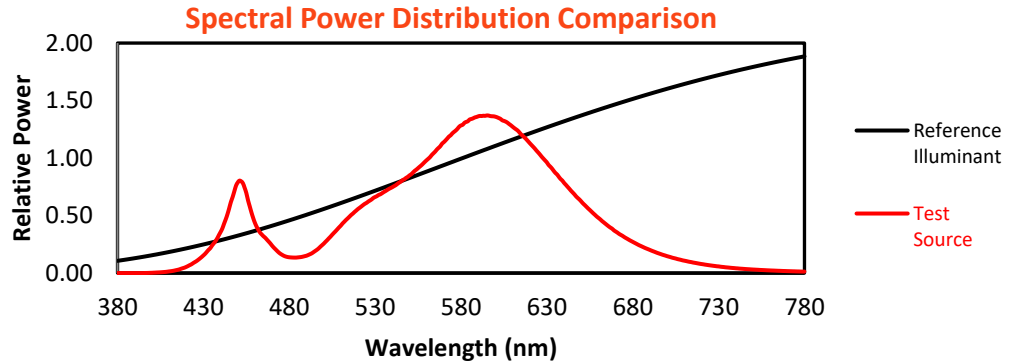
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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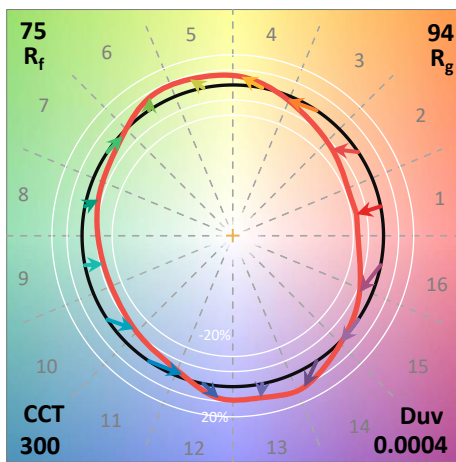
TM-30-18

**Summary**

$R_f = 75.2$   
 $R_g = 93.8$   
 CIE  $R_a = 71.9$   
 $R_g = -33.7$



**Color Vector Graphics**



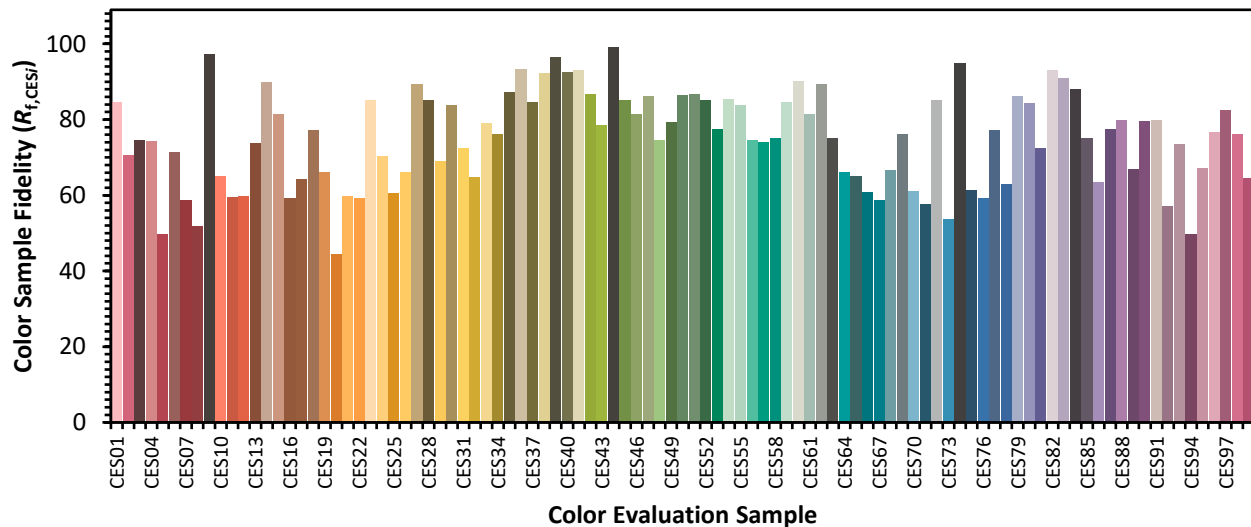


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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

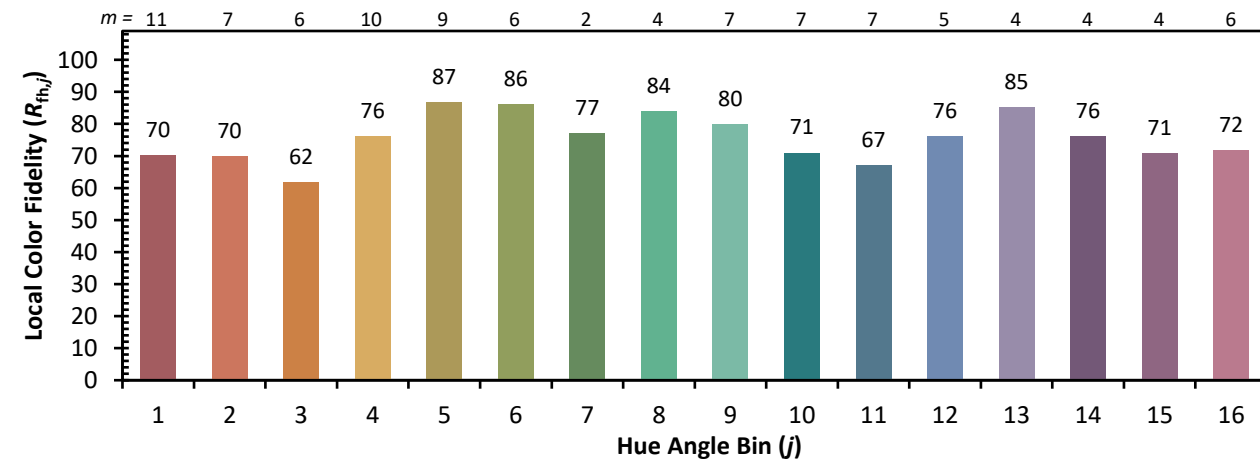
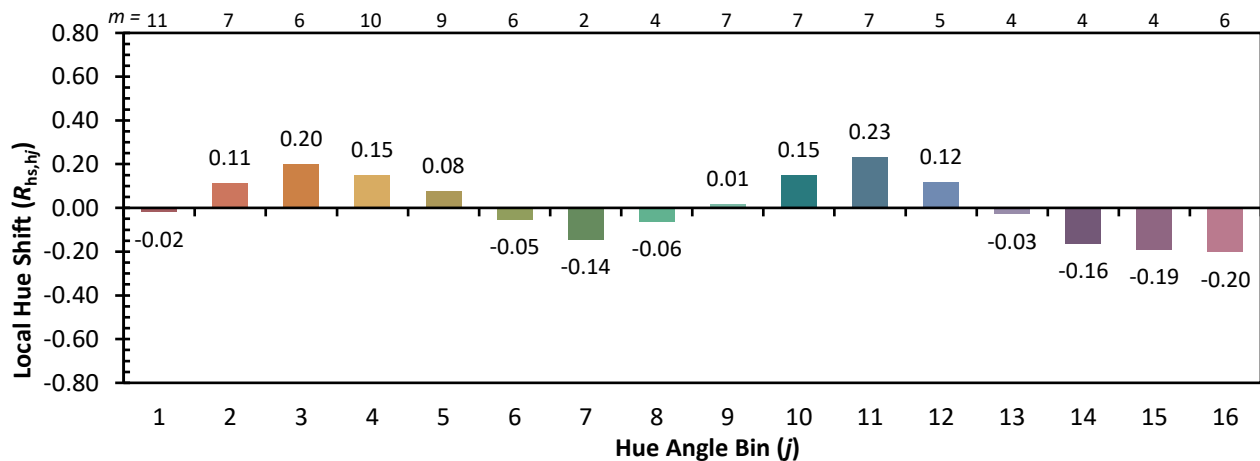
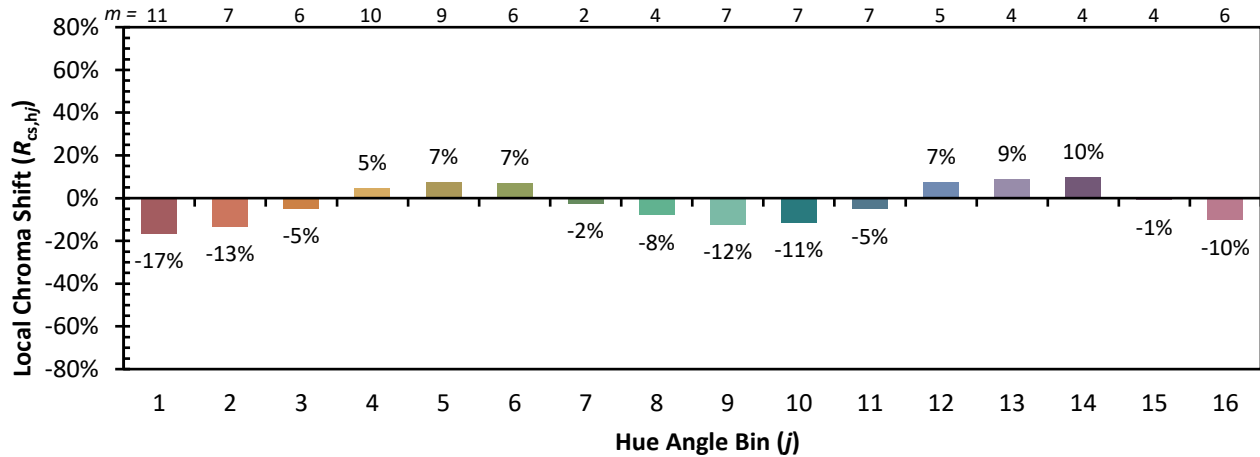
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CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 77
CES03 = 31	CES28 = 85	CES53 = 77	CES78 = 63
CES04 = 71	CES29 = 69	CES54 = 86	CES79 = 86
CES05 = 49	CES30 = 84	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 72
CES07 = 41	CES32 = 65	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 79	CES58 = 75	CES83 = 91
CES09 = 29	CES34 = 76	CES59 = 85	CES84 = 88
CES10 = 76	CES35 = 87	CES60 = 90	CES85 = 75
CES11 = 59	CES36 = 93	CES61 = 81	CES86 = 63
CES12 = 65	CES37 = 85	CES62 = 89	CES87 = 77
CES13 = 43	CES38 = 92	CES63 = 75	CES88 = 80
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 67
CES15 = 71	CES40 = 93	CES65 = 65	CES90 = 80
CES16 = 47	CES41 = 93	CES66 = 61	CES91 = 80
CES17 = 50	CES42 = 87	CES67 = 59	CES92 = 57
CES18 = 56	CES43 = 79	CES68 = 67	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 76	CES94 = 50
CES20 = 66	CES45 = 85	CES70 = 61	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 58	CES96 = 77
CES22 = 79	CES47 = 86	CES72 = 85	CES97 = 83
CES23 = 92	CES48 = 75	CES73 = 54	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 65
CES25 = 73	CES50 = 86	CES75 = 61	



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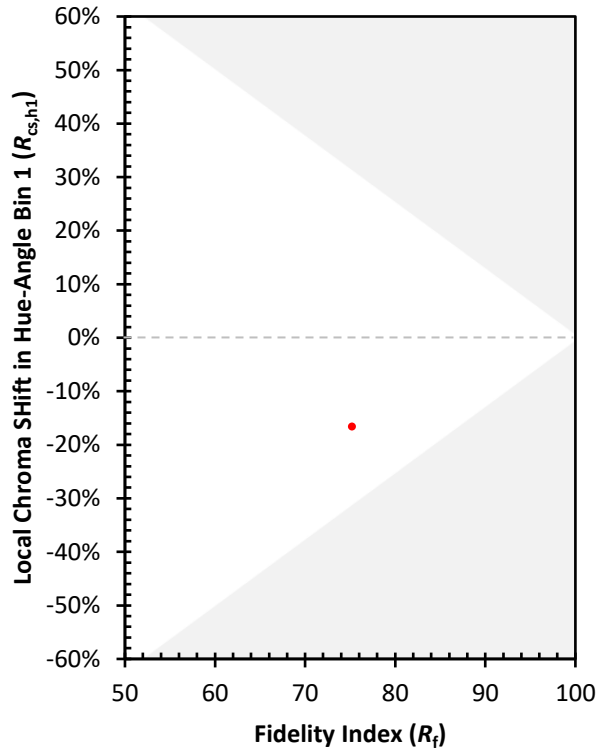
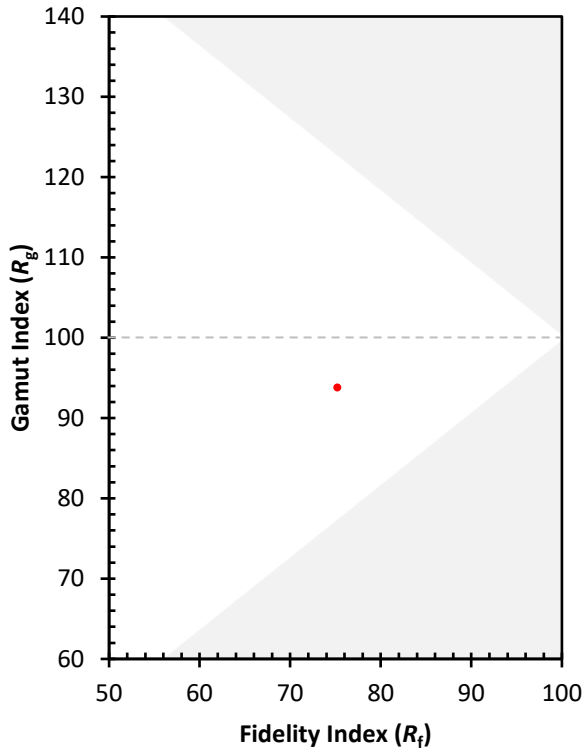
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)